**Index of Claims** 

| App | licati | on/Co | ntrol | No. |
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10/534,438

Examiner

Kianni C. Kaveh

MORIKAWA ET AL.

Reexamination

Applicant(s)/Patent under

Art Unit

2883

Rejected Allowed

(Through numeral) Cancelled

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Appeal Α

Restricted

1 Interference

0 Objected

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|--|----------------|------------------|--|--------------|--|-----------------|----------|----------|-----------|--|----------|-----------------|---------------|--------------|-----------------|--|----------|----------------|-----------|-------------|------------|-----------|----------|--------------|----------|----------|----------|-----------|----------|----------|
|  |                |                  |  |              |  |                 |          |          |           |  |          |                 |               |              |                 |  |          |                | _         |             |            |           |          |              |          |          |          |           |          |          |
| Clair  | m              | 10,              | _  | <u> </u>     | Date   | e               |          |          | _         | Cla  | aim      | L.,             |               |              | Dat             | e  |          |                | _         | CI          | aim        | Ь,        |          |              |          | Date     | }        |           |          |          |
| Final  | Original       | 1/1/2            |  |              |  |                 |          |          |           | Final  | Original |                 |               |              | -               |  |          |                |           | Final       | Original   |           |          |              |          |          |          |           |          |          |
|  | 1              | $\overline{\nu}$ | +  | +            |  | -               |          | -        | +         |  | 51       |                 | $\dashv$      | +            | +               | -  |          | -              |           | ļ           | 101        | Н         | $\dashv$ | $\dashv$     | $\dashv$ | $\dashv$ |          | $\dashv$  | $\dashv$ |          |
|  | 2              | 1                |  |              | Ì  |                 |          |          | 7         |  | 52       |                 |               | $\top$       | 1               |  |          |                |           |             | 102        |           |          | 7            |          | $\neg$   |          |           | $\neg$   |          |
|  | 3              |                  |  |              |  |                 |          |          |           |  | 53       |                 |               |              |                 |  |          |                |           |             | 103        |           |          |              |          |          |          | $\exists$ |          |          |
|  | 4              |                  |  |              |  |                 |          |          |           |  | 54       |                 |               |              |                 |  |          |                |           |             | 104        |           |          |              |          |          |          |           |          |          |
|  | 5              |                  | 丄  |              | <u> </u>   |                 | _        |          | _         |  | 55       |                 |               |              | <u> </u>        | _  |          |                |           |             | 105        |           |          |              |          |          |          |           |          |          |
|  | 6              | $\nu$            | _  | ļ            | <u> </u>   |                 |          |          | _         |  | 56       |                 |               |              | 1               | ļ.,  |          |                |           |             | 106        |           |          | _            | _        |          |          |           |          |          |
|  | 7              | 3                | ┿  | ↓            |  | -               |          |          | 4         |  | 57       |                 | _             | 4.           | 1               | <u> </u>   |          |                |           |             | 107        | Ш         | $\dashv$ |              | _        |          |          | _         | _        |          |
|  | 8 <sup>4</sup> | 7                | +-   | ┼            |  |                 |          |          | -         |  | 58       |                 | -             |              | +               | -  |          |                |           |             | 108        | $\square$ | -        | _            |          | $\dashv$ |          |           | -        |          |
|  | 10             | $\Psi$           | +  | ╁╌           |  |                 |          |          | ┥         |  | 59<br>60 | $\vdash$        |               |              | +-              | ┼  |          |                |           |             | 109        |           | $\dashv$ |              |          | $\dashv$ |          | $\dashv$  |          |          |
|  | 11             | V                | +  | +            | $\vdash$   | H               | $\vdash$ | $\dashv$ | $\exists$ | -  | 61       | $\vdash$        | $\dashv$      | +            | +               | $\vdash$   |          | $\vdash$       | $\dashv$  |             | 110<br>111 | $\vdash$  | $\dashv$ | $\dashv$     |          | -        |          |           |          |          |
|  | 12             | 11               | +  | T            |  | -               |          | $\dashv$ | $\dashv$  |  | 62       | $\vdash$        | $\dashv$      | +            | +-              | +-   |          | $\vdash$       | $\dashv$  |             | 112        | $\vdash$  | $\dashv$ | -            | $\dashv$ | $\dashv$ |          | $\dashv$  | $\dashv$ |          |
|  | 13             | 1                | 1  | $\top$       |  |                 |          |          |           |  | 63       |                 | $\dashv$      | $\top$       | 1               |  |          | $\dashv$       |           | -           | 113        |           | $\dashv$ | $\dashv$     | $\dashv$ | _        |          | $\dashv$  | $\dashv$ |          |
|  | 14             |                  |  |              |  |                 |          | 丁        |           |  | 64       |                 |               |              | 1               |  |          | $\Box \dagger$ |           |             | 114        |           | _        | 7            | $\dashv$ | $\neg$   |          |           | 寸        |          |
|  | 15             |                  | $oldsymbol{ol}}}}}}}}}}}}}}$ |              |  |                 |          |          |           |  | 65       |                 | $\Box$        | $oxed{\Box}$ |                 |  |          |                |           |             | 115        |           |          |              |          |          |          |           |          |          |
|  |                | <b>V</b>         |  |              |  |                 |          |          |           |  | 66       |                 |               |              |                 |  |          |                |           |             | 116        |           |          |              |          |          |          |           |          |          |
|  | 17             |                  |  |              | L  |                 |          |          | _         |  | 67       | Ш               |               |              |                 |  |          |                |           |             | 117        |           |          |              |          |          |          |           |          |          |
|  | 18             |                  | _  | ↓            | _  |                 |          |          | 4         |  | 68       |                 |               | _            | ┸               | <u> </u>   |          | $\perp$        |           |             | 118        |           |          |              | _        |          |          | $\sqcup$  |          |          |
|  | 19             |                  | -  | -            | _  | -               |          | $\perp$  | 4         |  | 69       |                 | _             |              | <del> </del>    | <u> </u>   |          |                |           |             | 119        |           |          | _            | _        | _        |          | _         | _        |          |
|  | 20             | - -              | +  | _            | <u> </u>   |                 |          |          | 4         | $\vdash$                                     | 70       | $\vdash \vdash$ | $\rightarrow$ |              | ┼-              | <del> </del>                                     | $\dashv$ | -              | _         |             | 120        |           | _        | _            | _        | _        |          | _         | _        |          |
|  | 21<br>22       |                  |  | ┼            |  |                 |          |          | $\dashv$  | $\vdash$                                     | 71<br>72 |                 | +             | +            | +               | <del> </del>                                     |          | _              |           |             | 121        |           | _        |              | 4        | -        | -        | -         | _        |          |
| <del> </del>                                     | 23             |                  |  | <del> </del> | ┢  | Н               |          |          | $\dashv$  | -  | 73       | $\vdash$        | +             | +            | +               | <del> </del>                                     |          | $\dashv$       |           |             | 122<br>123 | $\vdash$  | -        | $\dashv$     | $\dashv$ | $\dashv$ | -        | $\dashv$  | -        |          |
|  | 24             | +                | +-   | -            | ┢  | Н               | $\dashv$ | -        | $\dashv$  | -  | 74       |                 | -+            | +            | +               | ├  | $\vdash$ | $\dashv$       | $\dashv$  |             | 123        | $\vdash$  | -+       | $\dashv$     | $\dashv$ |          | $\dashv$ |           | $\dashv$ |          |
|  | 25             |                  |  |              |  | $\vdash$        |          |          | $\dashv$  |  | 75       | $\vdash$        | $\dashv$      | +-           | +               | <del>                                     </del> | $\dashv$ | $\dashv$       | -         | -           | 125        | -         | $\dashv$ | $\dashv$     | -        |          |          | $\dashv$  | $\dashv$ | -        |
|  | 26             | ┪                | _  | <del> </del> |  | Н               |          |          | ٦         |  | 76       |                 | $\dashv$      | +            | ╁               |  | $\dashv$ | $\dashv$       | -         |             | 126        | $\vdash$  | $\dashv$ | $\dashv$     | $\dashv$ |          |          | $\dashv$  | +        | -        |
|  | 27             | $\neg$           |  |              |  |                 |          |          |           |  | 77       | $\Box$          | $\dashv$      | +            | †               |  |          |                | $\dashv$  |             | 127        | -         | $\dashv$ | $\dashv$     | 一        | _        | $\neg$   | 7         | $\dashv$ | _        |
|  | 28             |                  |  |              |  |                 |          |          |           |  | 78       |                 |               |              |                 |  |          | 1              |           |             | 128        |           | _        |              |          | $\neg$   | $\neg$   | $\dashv$  | $\dashv$ |          |
|  | 29             |                  |  |              |  |                 |          |          |           |  | 79       |                 |               |              |                 |  |          |                |           |             | 129        |           |          |              |          |          |          |           | $\neg$   |          |
|  | 30             | _                | $\bot$   |              |  |                 |          |          | 4         |  | 80       |                 |               |              |                 |  |          |                |           |             | 130        |           |          |              |          |          |          |           |          |          |
|  | 31             |                  | ╀-   | <u> </u>     |  |                 |          |          | 4         | $\Box$                                       | 81       |                 | _             |              |                 | <u></u>  |          |                | _         |             | 131        |           |          |              |          |          |          |           | $\bot$   |          |
|  | 32             |                  | +-   | -            |  |                 | $\dashv$ |          | 4         | $\vdash \vdash$                              | 82       |                 | $\perp$       | -            | -               |  |          | $\dashv$       | _         |             | 132        |           | 4        | 4            | _        |          |          | _         | _        |          |
| <del>                                     </del> | 33<br>34       |                  | +  | ├            | -  | -               | $\dashv$ |          | -         |  | 83       | -               |               | +            | -               |  |          | $\dashv$       |           |             | 133        |           | _        | 4            |          |          | _        | _         | 4        |          |
|  | 35             |                  | +  | $\vdash$     | $\vdash$   |                 | $\dashv$ | $\dashv$ | $\dashv$  |  | 84<br>85 | $\vdash \vdash$ | -             | +            | +-              | -  |          | +              | $\dashv$  |             | 134<br>135 |           | -        |              | $\dashv$ |          |          | $\dashv$  | $\dashv$ |          |
| <del>                                     </del> | 36             | +                | +  | $\vdash$     |  | $\vdash$        |          |          | $\dashv$  | $\vdash \vdash$                              | 86       | $\vdash$        | $\dashv$      | +-           | +               |  |          | $\dashv$       |           | <del></del> | 136        | $\vdash$  | -        | +            | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$ |          |
|  | 37             | $\top$           | $\top$   | 1            | <del>                                     </del> | $\vdash$        | $\dashv$ | $\dashv$ | -         | H  | 87       | -               | +             | +            | +               | -  |          | $\dashv$       | $\dashv$  | <del></del> | 137        |           | $\dashv$ | $\dashv$     | $\dashv$ | $\dashv$ |          |           | $\dashv$ |          |
|  | 38             | $\neg$           | $\top$   |              | $\Box$   |                 |          |          | 7         |  | 88       | $\vdash$        | $\dashv$      | +            | $\dagger \lnot$ | $\vdash$   |          | $\dashv$       | _         |             | 138        | $\vdash$  | $\dashv$ | $\dashv$     | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$ |          |
|  | 39             |                  | Ι  |              |  |                 |          |          |           |  | 89       |                 |               | $\top$       | 1               |  |          | Ť              | $\exists$ |             | 139        | $\vdash$  | _        | $\dashv$     | $\dashv$ | 寸        |          | $\dashv$  | $\dashv$ |          |
|  | 40             |                  |  |              |  |                 |          |          |           |  | 90       |                 |               |              |                 |  |          |                |           |             | 140        |           |          | _            |          | $\neg$   |          | 寸         |          |          |
|  | 41             |                  |  |              | $\Box$   | Ш               |          | $\perp$  | _         |  | 91       |                 | $\Box$        | $\perp$      |                 |  |          | $\Box$         |           |             | 141        |           |          |              |          |          |          |           | $\Box$   |          |
|  | 42             | _                | 1  | $\vdash$     | <u> </u>   | $\sqcup$        | _        |          | 4         | <u>                                     </u> | 92       |                 |               |              | _               | Ш  | $\Box$   |                |           |             | 142        |           | $\Box$   | $\Box$       | $\Box$   | $\Box$   |          | $\Box$    | $\Box$   |          |
| 1  | 43             |                  | -  | $\vdash$     | $\vdash$   | $\sqcup$        | -        |          | -         | $\vdash \vdash \vdash$                       | 93       |                 | _             |              | <del> </del>    | $\square$  | $\sqcup$ | $\dashv$       |           |             | 143        | $\sqcup$  | _        | $\downarrow$ | _        | [        | $\dashv$ | [         | [        |          |
|  | 44<br>45       | -                | +  | H            | $\vdash$   | $\vdash \vdash$ |          |          | 4         | $\vdash \vdash \vdash$                       | 94       | $\vdash$        | -             |              | +-              | $\vdash$   | $\dashv$ | -              | _         |             | 144        | $\vdash$  | $\dashv$ | $\dashv$     | $\dashv$ | 4        | _        | _         | $\dashv$ |          |
| <del>                                     </del> | 45<br>46       | +                | +  | $\vdash$     | Н  |                 |          |          | -         | $\vdash$                                     | 95<br>96 | $\dashv$        | +             | -            | -               |  | $\dashv$ | $\dashv$       | _         |             | 145        |           | -        | 4            | $\dashv$ | $\dashv$ | _        | $\dashv$  | $\dashv$ | _        |
| 1 1  | 47             |                  | +  | $\vdash$     | Н  |                 | +        |          | $\dashv$  | $\vdash$                                     | 97       |                 | +             | +            | +               | $\vdash$   |          | $\dashv$       | $\dashv$  |             | 146<br>147 | $\vdash$  | +        | +            | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$ |          |
|  | 48             | +                | 1  | $\Box$       |  | -               | $\dashv$ | +        | ┨ .       | $\vdash$                                     | 98       | $\vdash$        | +             | +            | +-              |  | $\dashv$ | +              | $\dashv$  | -           | 148        | -         | $\dashv$ | $\dashv$     | $\dashv$ | $\dashv$ | -        | $\dashv$  | +        | -        |
| 1  | 49             | $\neg \vdash$    | T  |              | Н  |                 | 1        | _        | 1         | $\vdash$                                     | 99       | -               |               | +            |                 |  | $\neg$   | $\dashv$       | $\exists$ |             | 149        | $\dashv$  | $\dashv$ | +            | $\dashv$ | $\dashv$ | $\dashv$ | +         | $\dashv$ |          |
|  | 50             |                  |  |              |  |                 |          |          |           |  | 100      |                 |               |              |                 |  |          |                |           |             | 150        |           |          | _†           | $\dashv$ | $\dashv$ |          | $\dashv$  | $\top$   | $\dashv$ |
|  |                |                  |  |              |  |                 |          |          |           |  |          |                 |               |              |                 |  |          |                |           |             |            |           |          |              |          |          |          |           |          |          |